5505(G) cover_cover.qxp 2010-07-20 오전 11:23 페이지 1

Sherwood

OPERATING INSTRUCTIONS

TX-5505

AM/FM STEREO TUNER

CE

Introduction

ENGLISH

READ THIS BEFORE OPERATING YOUR UNIT

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

FOR YOUR SAFETY

EUROPE AUSTRALIA	**220 V - 240 V**	Units shipped to Australia are designed for operation on 230 V AC only. To ensure safe operation, the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Improper extension cords are a major cause of fatalities. The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician. PAN-EUROPEAN UNIFIED VOLTAGE All units are suitable for use on supplies 220-240 V AC.

CAUTION

- Leave a space around the unit for sufficient ventilation.
- Avoid installation in extremely hot or cold locations, or in an area that is exposed to direct sunlight or heating equipment.
- Keep the unit free from moisture, water, and dust.
- Do not let foreign objects in the unit.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Please be care the environmental aspects of battery disposal.
- The unit shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- Do not let insecticides, benzene, and thinner come in contact with the set.
- Never disassemble or modify the unit in any way.

■Notes on the AC power cord and the wall outlet.

- The unit is not disconnected from the AC power source(mains) as long as it is connected to the wall outlet, even if the unit has been turned off.
- To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
- When setting up this product, make sure that the AC outlet you are using is easily accessible.
- Disconnect the plug from the wall outlet when not using the unit for long periods of time.

Pb

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

The sign Pb below the symbol for batteries indicates that this batteries contains lead.

CONTENTS

Introduction
• READ THIS BEFORE OPERATING YOUR UNIT | **2**

Rear Panel Connections | **4**

Front Panel & Remote Controls | **6**
• REMOTE CONTROL OPERATION RANGE | **8**
• LOADING BATTERIES | **8**

Operations
• LISTENING TO RADIO BROADCASTS | **9**
• LISTENING TO RDS BROADCASTS (FM ONLY) | **13**
• ADJUSTING THE BRIGHTNESS OF THE FLUORESCENT DISPLAY | **14**

Troubleshooting Guide | **15**

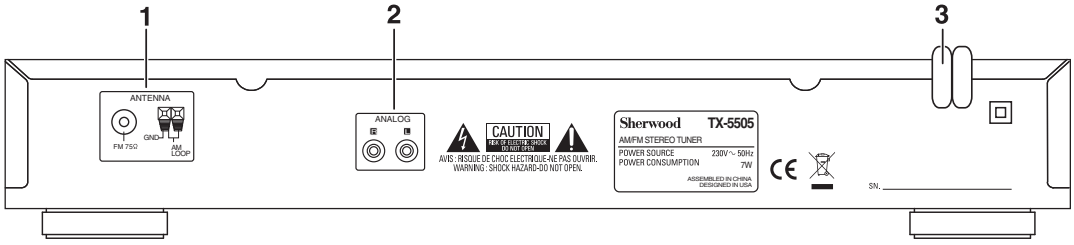
Specifications | **16**

ENGLISH

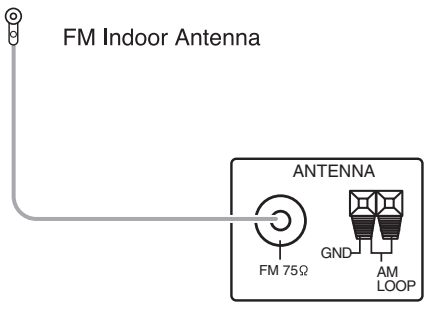
ENGLISH

Rear Panel Connections

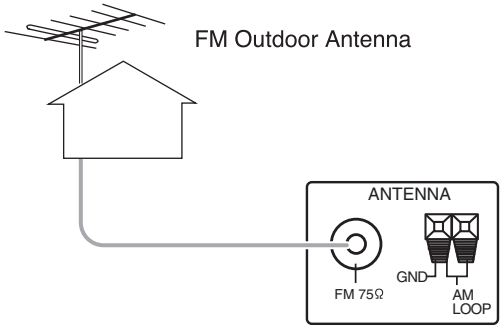
- Do not plug the AC input cord into the AC outlet when making connections.
- Be sure to connect the white plugs to the L(Left) jacks and the red plugs to the R (Right) jacks when making connections.
- Refer to the connecting diagram in the operating instructions of your amplifier.



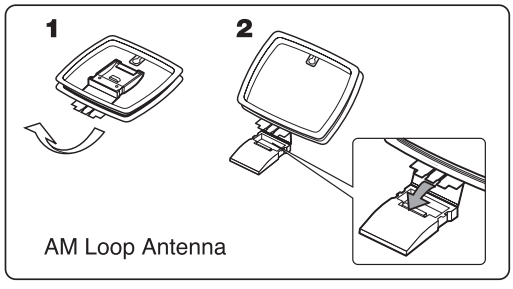
1. CONNECTING ANTENNAS

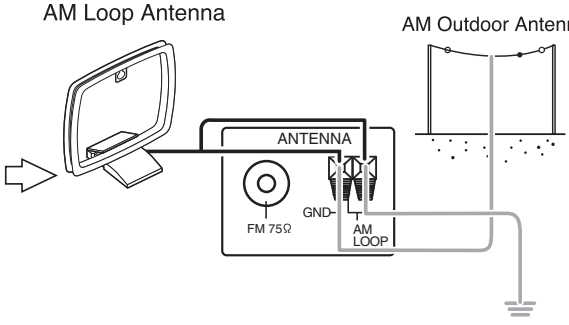


- Change the position of the FM indoor antenna until you get the best reception of your favorite FM stations.



- A 75Ω outdoor FM antenna may be used to further improve the reception. Disconnect the indoor antenna before replacing it with the outdoor one.

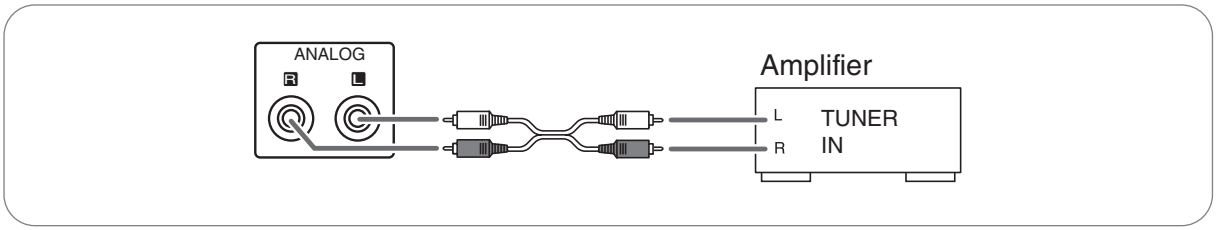




- Place the AM loop antenna as far as possible from the receiver, TV set, speaker cords and the AC input cord and set it to a direction for the best reception.
- If the reception is poor with the AM loop antenna, an AM outdoor antenna can be used in place of the AM loop antenna.

2. CONNECTING AMPLIFIER

• Connect the ANALOG L and R Jacks to the TUNER IN jacks of your amplifier.



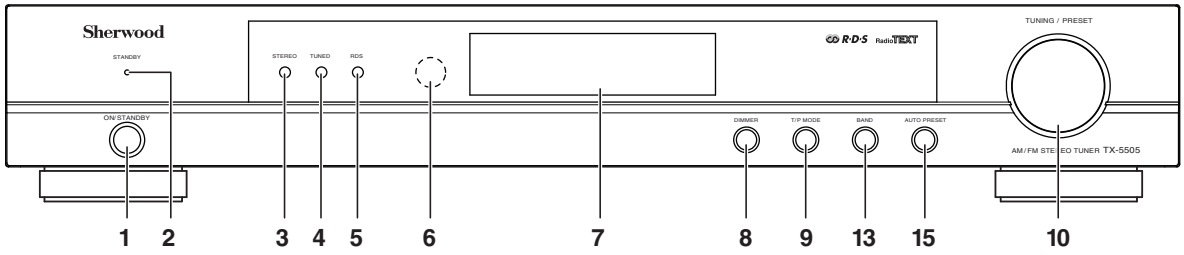
3. AC INPUT CORD

• Plug the cord into a wall AC outlet.

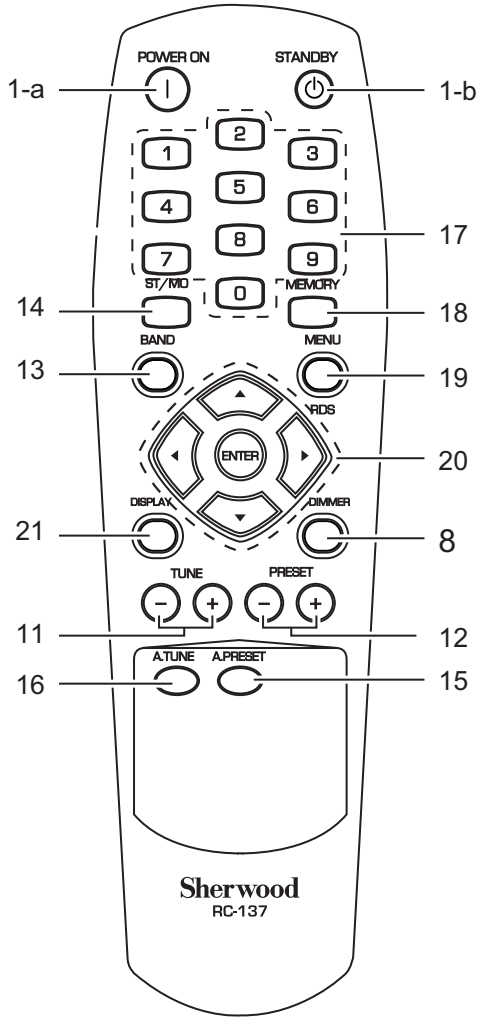
ENGLISH

Front Panel & Remote Controls

Front panel controls



Remote controls



1. POWER ON/STANDBY button
Each time the POWER ON/STANDBY button is pressed, this unit is turned on to enter the operating mode or off to enter the standby mode.
a. In the standby mode, press the POWER ON button to enter the operating mode.
b. In the operating mode, press the STANDBY button to enter the standby mode.

2. STANDBY indicator
When this unit is turned off, this indicator lights up.

3. STEREO indicator
When FM broadcasts are reproduced in stereo sound, this indicator lights up.

4. TUNED indicator
When a station of sufficient strength is tuned in, this indicator lights up.

5. RDS indicator
When RDS broadcasts are received, this indicator lights up.

6. Remote sensor
This receives the signals from the remote control unit.

7. Fluorescent display
This displays operation status, frequency, RDS information, etc.

8. DIMMER button
Each time this button is pressed, the brightness of the fluorescent display changes as follows :

→ ON → dimmer → OFF →

9. TUNING/PRESET MODE button
Press this button to select the tunning mode(“P” goes off) or the preset mode (“P” lights up).

10. TUNING/PRESET knob
Rotate this knob to tune in the stations depending on whether the tuning mode or the preset mode is selected.

11. TUNING UP/DOWN (+/-) buttons
Press these buttons to tune in the stations without selecting the tuning mode.

12. PRESET UP/DOWN (+/-) buttons
Press these buttons to tune in the preset stations without selecting the preset mode.

13. BAND button
Press this button to select the desired band.
• Each time this button on the front panel is pressed, the band and the FM mode change as follows :

→ FM STereo → FM MONO → AM →

• Each time this button on the remote control is pressed, the band changes as follows :

FM ↔ AM

14. STEREO/MONO button
When listening to FM broadcasts, press this button to select the STereo mode or the MONO mode depending on the strength of broadcst signal.

15. AUTO PRESET button
Press this button to automatically search for FM stations and to store them in the memory.

16. AUTO TUNING button
Press this button to search for a station of sufficient strength automatically.

17. NUMERIC(0~9) buttons
Press these buttons to specify the preset number of the station directly to be recalled or stored in the memory.

18. MEMORY button
Press this button to store the desired stations manually in the memory.

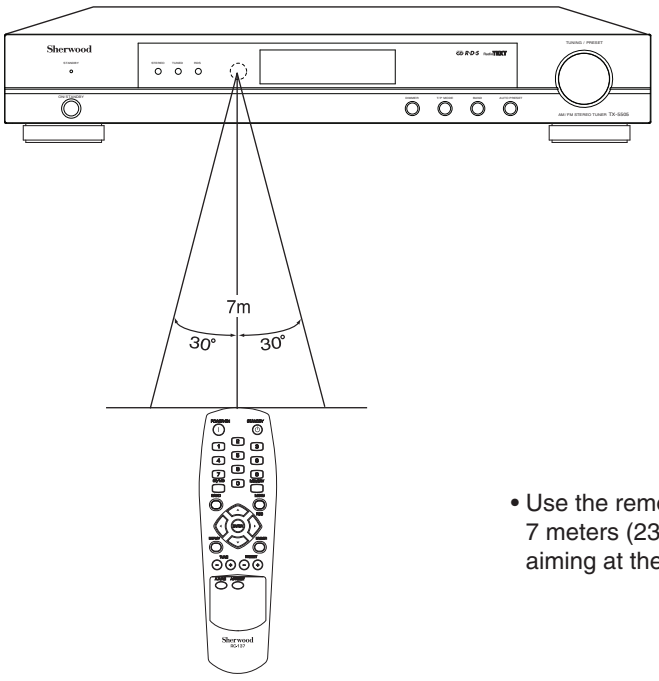
19. RDS button
When listening to FM broadcasts, press this button to enter the RDS menu.

20. CURSOR ▲/▼/◀/▶and ENTER buttons
Press the CURSOR ▲/▼/◀/▶ buttons to select items, etc. then press the ENTER button to confirm your selection.

21. DISPLAY button
Press this button to display RDS information.

ENGLISH

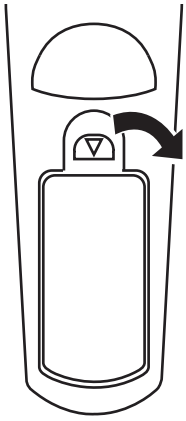
REMOTE CONTROL OPERATION RANGE



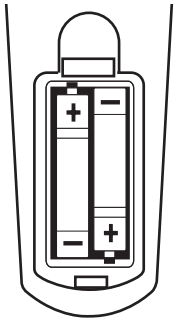
• Use the remote control unit within a range of about 7 meters (23 feet) and angles of up to 30 degrees aiming at the remote sensor.

LOADING BATTERIES

1. Remove the cover.



2. Load two batteries(“AAA” size, 1.5V) matching the polarity.



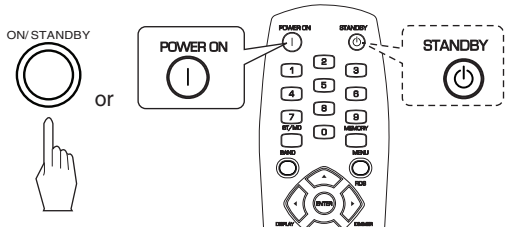
• Remove the batteries when they are not used for a long time.
• Do not use the rechargeable batteries (Ni-Cd type).

Operations

LISTENING TO RADIO BROADCASTS

Before operation

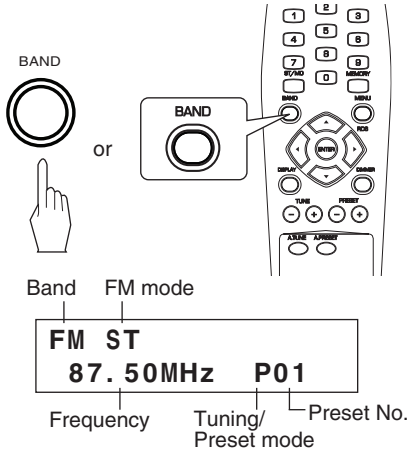
• Turn the power on.



• Each time the POWER ON/STANDBY button on the front panel is pressed, the tuner is turned on to enter the operating mode or off to enter the standby mode.
• When it is in the standby mode, the STANDBY indicator lights up. This means that the tuner is not disconnected from the AC mains and a small amount of current is retained to support the operation readiness.
• On the remote control, press the POWER ON button to enter the operating mode or press the STANDBY button to enter the standby mode.

Auto tuning

1. Select the desired band.



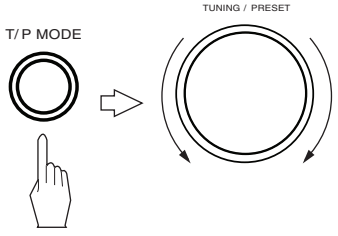
• Each time the BAND button on the front panel is pressed, the band and the FM mode change as follows :

→ FM STereo → FM MONO → AM
(STEREO indicator lights up) (STEREO indicator goes off)

• Each time the BAND button on the remote control, the band changes as follows :
FM ↔ AM
• For details on FM mode, see “Listening to FM stereo broadcasts” on page 12.

■On the front panel

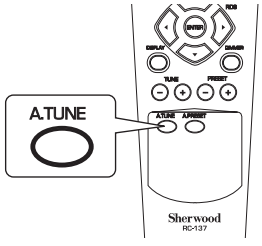
2. Press the TUNING/PRESET MODE button to select the tuning mode, then rotate the TUNING /PRESET knob over several steps once.



• Each time the TUNING/PRESET MODE button is pressed, the mode changes as follows :
Tuning mode ↔ Preset mode
(“P” goes off) (“P” lights up)

■On the remote control

2. Press the AUTO TUNING button.

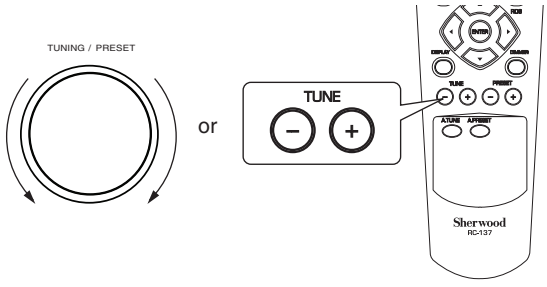


• “AUTO” is displayed and the tuner will now search until a station of sufficient strength has been found. The display shows the tuned frequency and the TUNED indicator lights up.
• During auto tuning, press the TUNING UP(+)/DOWN(-) buttons to change the received frequency to a higher frequency or a lower frequency.
• If the station found is not the desired one, simply repeat this operation.
• Weak stations are skipped during auto tuning.

ENGLISH

Manual tuning

- Manual tuning is useful when you already know the frequency of the desired station.
- After selecting the desired band (and the tuning mode in case of using the TUNING/PRESET knob), rotate this knob one by one slowly or press the TUNING UP(+)/ DOWN(-) buttons repeatedly until the right frequency has been reached.

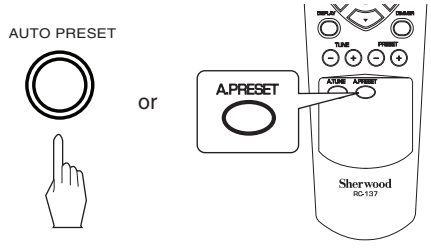


- Press and hold down the TUNING UP(+)/DOWN(-) buttons to reach quickly the right frequency.

Auto presetting

- Auto presetting function automatically searches for FM stations only and stores them in the memory.

1. While listening to FM broadcasts, press the AUTO PRESET button.



- Then “FM AUTO PRESET” flickers for several seconds.
- If “FM AUTO PRESET”goes off, press the AUTO PRESET button again.

2. When “FM AUTO PRESET” flickers, press the AUTO PRESET button again.

- Then “SEARCH” flickers and the tuner starts auto presetting.
- To stop auto presetting, press this button again.
- Up to 40 FM stations can be stored.

■Notes :

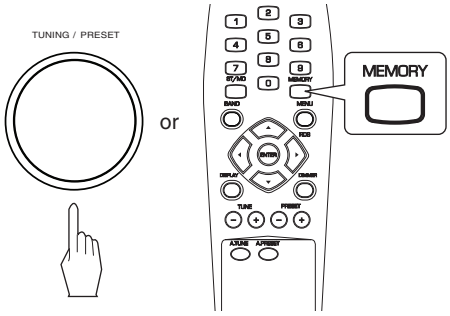
- FM stations of weak strength cannot be memorized.
- To memorize AM stations or weak stations, perform “Manual presetting” procedure with using “Manual tuning” operation.

Manual presetting

- You can store up to 40 preferred stations in the memory.

1. Tune in the desired station with auto or manual tuning.

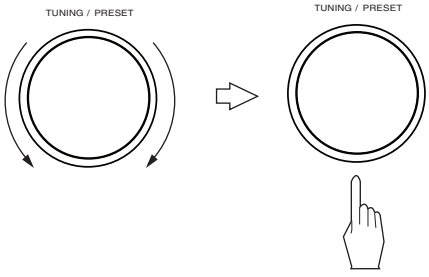
2. Press the TUNING/PRESET knob or the MEMORY button.



- The preset number flickers for several seconds.

■On the front panel

3. Rotate the TUNING/PRESET knob to select the desired preset number(1~40) and press this knob.



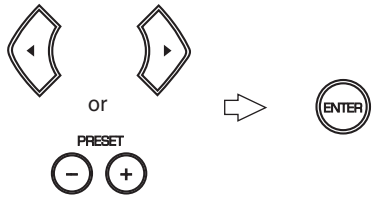
- The station has now been stored in the memory.
- A stored frequency is erased from the memory by storing another frequency in its place.
- If the preset number does not flicker or disappears, start again from the above step 2.

4. Repeat the above steps 1 to 3 to memorize other stations.

Continued

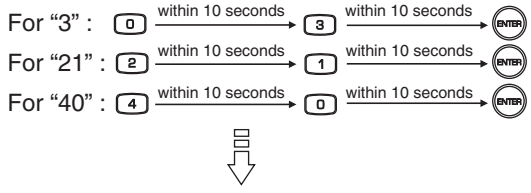
■On the remote control

3. Select the desired preset number(1~40) and press the ENTER button.



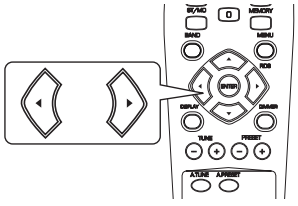
• When using the NUMERIC buttons

Examples)


For “3” : 0 within 10 seconds 3 within 10 seconds ENTER
For “21” : 2 within 10 seconds 1 within 10 seconds ENTER
For “40” : 4 within 10 seconds 0 within 10 seconds ENTER
FM ST
89.10MHz P02

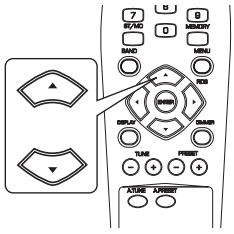
• Then it enters the name entry mode (that allows you to give a name to the station) and the first digit flickers for several seconds.
• Up to 8 characters can be entered for each name.
• If you do not give a name, perform the step 7, but ignore the steps 4 ~6.

4. Press the CURSOR LEFT(◀)/RIGHT(▶) buttons to select the desired digit.



• Then the selected digit flickers.

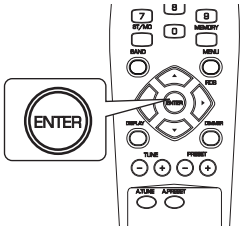
5. Press the CURSOR UP(▲)/DOWN(▼) buttons to enter the desired character on the flickering digit.



• You can enter the desired among blank, A~Z, 0~9, ^, ’, (,), ∗ , +, ,, -, ., /, =.

6. Repeat the above steps 4 and 5 to enter the desired characters on the rest of the digits.

7. Confirm your entry.



• The station and its name have now been stored in the memory.
• A stored frequency and its name are erased from the memory by storing new ones in its place.
• If the preset number does not flicker, disappears or the digit does not flicker, start again from the above step 2.

8. Repeat the above steps 1 and 7 to memorize other stations.

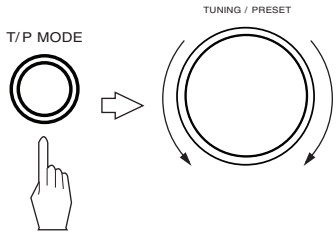
ENGLISH

ENGLISH

Tuning to preset stations

■On the front panel

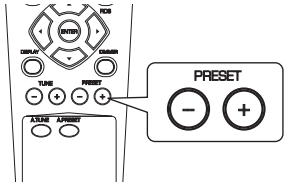
• Press the TUNING/PRESET MODE button to select the preset mode, then rotate the TUNING/PRESET knob to select the desired preset number.



• Each time the TUNING/PRESET MODE button is pressed, the mode changes as follows :
Tuning mode ↔ Preset mode
("P" goes off) ("P" lights up)

■On the remote control

• Select the desired preset number.



• When using the NUMERIC buttons.

Examples)

For "3" : [3] (or [0] —within 3 seconds→ [3])

For "21" : [2] —within 3 seconds→ [1]

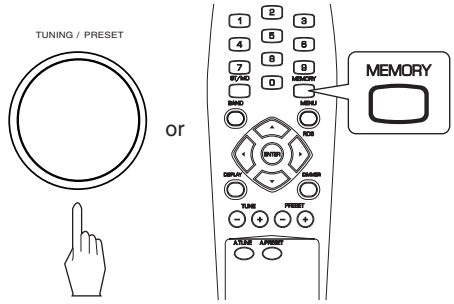
For "40" : [4] —within 3 seconds→ [0]

Erasing preset stations

• You can erase the preset stations as desired.

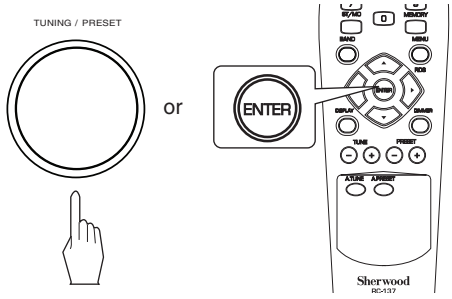
1. Select the preset station to be cleared by performing the preset tuning operation.

2. Press and hold down the TUNING/PRESET knob or the MEMORY button for more than 3 seconds.



• Then "DELETE OK?" is displayed for several seconds.
• When "DELETE OK?" is not displayed, perform the step 2 again.

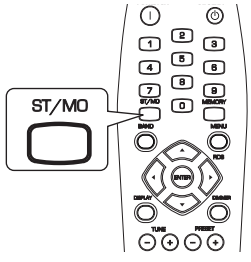
3. Press the TUNING/PRESET knob or the ENTER button.



• Then the stored frequency (and its name) will be erased from the memory.

Listening to FM stereo broadcasts

• While listening to FM broadcasts,



• Each time the STEREO/MONO button is pressed, the FM mode changes as follows :
STereo mode ↔ MONO mode
("ST" and STEREO indicator light up) ("MONO" lights up and STEREO indicator goes off)
• When FM stereo broadcasts are poor because of weak broadcast signals, select the FM mono mode to reduce the noise, then FM broadcasts are reproduced in monaural sound.

LISTENING TO RDS BROADCASTS (FM ONLY)

RDS(Radio Data System) is a method for sending information signals together with the transmitter signals. Your tuner is capable of translating these signals and putting the information on the display. These codes contain the following informations. Program Service name (PS), A list of Program Types (PTY), Traffic Announcement(TA), Clock Time (CT), Radio Text (RT).

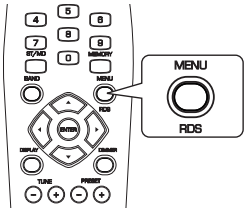
■Note :

• Only in some countries in Europe, RDS tuner function can be available.

RDS search

• Use this function to automatically search and receive the stations offering RDS services.

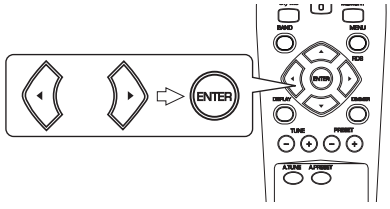
1. In the FM mode, enter the RDS menu.




```
SEARCH MENU
<RDS> PTY   TP
```

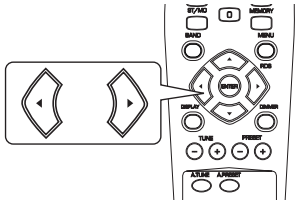
• Then the RDS menu is displayed for several seconds.

2. Select the “RDS” and press the ENTER button.



• Then “SEARCH > RDS” is displayed on the RDS menu for several seconds.
• When the RDS menu is not displayed, repeat again from the above step 1.

3. Start RDS search.



• The tuner automatically searches stations offering RDS services and the station name is displayed.
• If no RDS station is found, “NO RDS” flickers for several seconds.

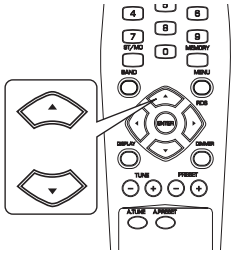
PTY search

• Use this function to automatically search and receive the stations broadcasting the desired program type.

1. Perform the steps 1 and 2 in “RDS search” procedure to select “PTY”.

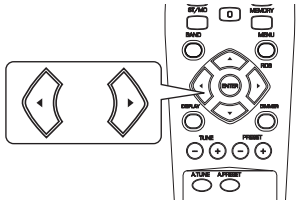
• Then “SEARCH > PTY”, etc is displayed on the RDS menu for several seconds.

2. Select the desired program type.



• Each time these buttons are pressed, one of 30 different types of programs is selected.
(NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M, DOCUMENT, NONE)
• When the RDS menu is not displayed, repeat again from the above step 1.

3. Start PTY search.



• The tuner automatically searches a station offering PTY services.
• If no station is found, “NO PTY” flickers for several seconds.

ENGLISH

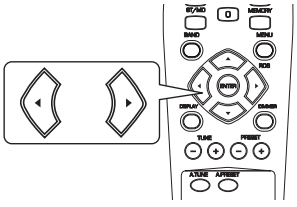
TP search

• Use this function to automatically search and receive the stations broadcasting the traffic program.

1. Perform the steps 1 and 2 in “RDS search” procedure on the previous page to select “TP”.

• Then “SEARCH > TP” is displayed on the RDS menu for several seconds.
• When the RDS menu is not displayed, repeat again from the above step 1.

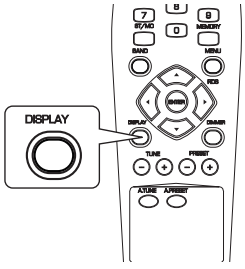
2. Start TP search.



• The tuner automatically searches for stations broadcasting the traffic program.
• If the signal is too weak or there are no stations broadcasting the traffic program, “NO TP” flickers for several seconds.

Displaying RDS information

• While listening to RDS broadcasts,



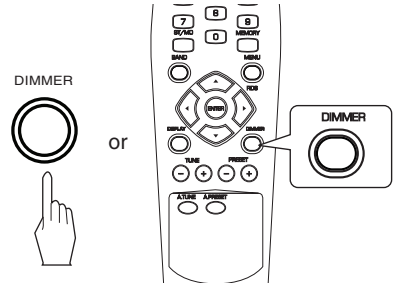
• Each time this button is pressed, the display mode changes as follows:

→ Program Service name (PS) → Program Type (PTY) → Clock Time (CT) → Radio Text (RT) → Station name * →

* : Possible only when the preset station has a name.

• If the signals are too weak or no RDS service is available, RDS information may not be displayed.

ADJUSTING THE BRIGHTNESS OF THE FLUORESCENT DISPLAY



• Each time the DIMMER button is pressed, the brightness of the fluorescent display changes as follows :

→ ON → dimmer → OFF →

• In the display OFF mode, pressing any button will cancel the display OFF mode for several seconds to display the operation status.

Troubleshooting Guide

If a fault occurs, run through the table below before taking your receiver for repair.
If the fault persists, attempt to solve it by switching the unit off and on again. If this fails to resolve the situation, consult your dealer. Under no circumstances should you attempt to repair the unit yourself. This could void the warranty.

PROBLEM	POSSIBLE CAUSE	REMEDY
No power	• The AC input cord is disconnected • Poor connection at AC wall outlet or the outlet is inactive.	• Connect the cord securely. • Check the outlet using a lamp or another appliance.
Not receiving the stations	• No antenna is connected. • The broadcast band is not set properly. • The frequency of desired station is not tuned in.	• Connect an antenna. • Set the broadcast band properly. • Tune in the frequency of the desired station.
Not receiving the preset stations	• An incorrect station frequency has been memorized.	• Memorize the correct station frequency.
Interference	• Noise related to ignition noise of an automobile. • Noise related an influence from an electric appliance. • Noise related to a nearby TV set.	• Install the outdoor antenna apart from the load. • Turn off the power of the appliance. • Install this unit more apart from the TV set.
Poor FM reception	• No antenna is connected. • The antenna is not positioned for the best reception.	• Connect an antenna. • Change the position of the antenna.
Continuous hissing noise during FM reception, especially when a stereo broadcast is received.	• Weak signals.	• Change the position of the antenna. • Install an outdoor FM antenna.
Continuous or intermittent hissing noise during AM reception, especially at night.	• Noise is caused by motors, fluorescent lamps or lightning, etc.	• Keep this unit away from noise sources. • Install an outdoor AM antenna.
Remote control unit does not operate.	• Batteries are not loaded or exhausted. • The remote sensor is obstructed.	• Replace the batteries. • Remove the obstacle.

Specifications

■ FM TUNER SECTION

- Tuning frequency range | **87.5~108 MHz**
- Usable sensitivity, THD 3%, S/N 26 dB | **12.8 dBf**
- 46 dB quieting sensitivity, mono/stereo | **20.2 / 45.3 dBf**
- Signal to noise ratio, 65 dBf, mono/stereo | **70 / 65 dB**
- Total harmonic distortion, 65 dBf,1 kHz, mono/stereo | **0.1 / 0.1 %**
- Frequency response, 30 Hz~12 kHz | **±2.0 dB**
- Stereo separation, 1 kHz | **35 dB**
- IF rejection ratio | **120 dB**

■ AM TUNER SECTION

- Tuning frequency range | **522~1611 kHz**
- Usable sensitivity | **440 µV/m**
- Signal to noise ratio | **50 dB**
- Selectivity | **29 dB**

■ GENERAL

- Power supply | **230 V ~ 50 Hz**
- Power consumption | **7 W**
- Dimensions (WxHxD, including protruding parts) | **435x74x298 mm (17-1/8x2-7/8x11-3/4 inches)**
- Weight (Net) | **3.1 kg (6.8 lbs)**

Note: Design and specifications are subject to change without notice for improvements.

5505(G) cover_cover.qxp 2010-07-20 오전 11:23 페이지 2

TX-5505

AM/FM STEREO TUNER

Sherwood

5707-00000-407-0S